

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components –  
Fibre optic connector interfaces –  
Part 29: Type BLINK connector series**

**Dispositifs d'interconnexion et composants passifs à fibres optiques –  
Interfaces de connecteurs pour fibres optiques –  
Partie 29: Série de connecteurs de type BLINK**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES  
AND PASSIVE COMPONENTS –  
FIBRE OPTIC CONNECTOR INTERFACES –**

**Part 29: Type BLINK connector series**

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International Standard IEC 61754-29 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this standard is based on the following documents:

FDIS	Report on voting
86B/3369/FDIS	86B/3416/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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## INTRODUCTION

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# FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC CONNECTOR INTERFACES –

## Part 29: Type BLINK connector series

### 1 Scope

This part of IEC 61754 defines the standard interface dimensions for the type BLINK series of connectors.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60794-2-50, *Optical fibre cables – Part 2-50: Indoor cables – Family specification for simplex and duplex cables for use in terminated cable assemblies*

IEC 61754-1, *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 1: General and guidance*

IEC 61755-3 (all parts), *Fibre optic interconnecting devices and passive components – Fibre optic connector optical interfaces*

### 3 Description

The parent connector for the type BLINK connector family is a single position plug connector set of plug/adaptor/plug configuration which is characterized by a 1,25 mm nominal diameter ferrule. The connector includes a ferrule spring loaded in the direction of the optical axis. The optical alignment mechanism of the connection is of a resilient sleeve style.

### 4 Interfaces

The general requirements defined in IEC 61754-1 are valid for this standard.

Clauses 4 to 8 define the standard interfaces for the type BLINK connector series. The standard interfaces contained in this document are listed in the following:

INTERFACE 29-1: Simplex Plug Connector Interface – PC

INTERFACE 29-2: Simplex Adaptor Interface

INTERFACE 29-3: Duplex Plug Connector Interface – PC

INTERFACE 29-4: Duplex Adaptor Interface

INTERFACE 29-5: Simplex Plug Connector Interface – APC 8°

INTERFACE 29-6: Duplex Plug Connector Interface – APC 8°

The following plugs and adaptors shown in Table 1 and Table 2 are intermateable.